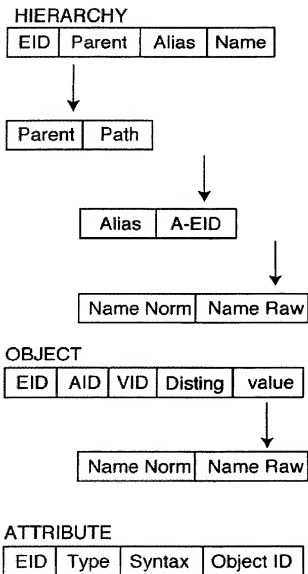


$1/5$

Conceptual Design

Implementing X.500 in a RDBMS

- attributes and values
- hierarchy and names
- aliases
- data tolerance



service decomposition →

Performance Enhancements for RDBMS

- DIT

TABLE**ALIAS**NAME _____SEARCH

ENTRY

SUBSEARCH

ATTR

Physical Design

Realising X.500 in a RDBMS

- efficiency
- portability
- functional extensibility

DIT

TREE

ALIAS

NAME _____

INFO

SEARCH

SUBSEARCH

ENTRY

SENTRY

B L O B

ATTN:

File	Ctrl	
------	------	--

9/10/51

UCID	DESC	OBJE	MUST	MAY	SUPER	FLAGS
		CTID	LIST	LIST	LIST	

physical decomposition

Fig 2.

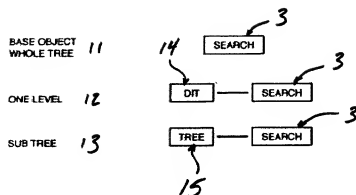


Fig 3.

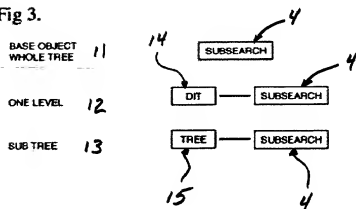


Fig 4. Certificate 20

Issuer	CA	21
Validity	1-2-2000	22
Serial	1234	23
Version	1	24
Subject	rick harvey	25

SEARCH:

CA 1-2-2000 1234 1 RICK HARVEY

OR

1756723117

SUB SEARCH

CID	NORM	...
0	CA	...
1	20000201	...
2	1234	...
3	1	...
4	RICK HARVEY	...

SUBATTR

CID	SYX	DESC	OBJECT ID	FLAGS
0	1	ISSUER	2.5.4.99.1	0
1	11	VALIDITY	2.5.4.99.2	0
2	10	SERIAL	2.5.4.99.3	0
3	9	VERSION	2.5.4.99.4	0
4	1	SUBJECT	2.5.4.99.5	0

Fig 5.

